

170mm Ring Diffusion Plate

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Ring Diffusion Plate

Stock **#21-882** **1 In Stock**

⊖ 1 ⊕ ₹30,600

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| Qty 1+ | ₹30,600 each |
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Product Downloads

General

DF-LDR-170LA **Model Number:**
CCS **Manufacturer:**

Physical & Mechanical Properties

OD: 136 , ID: 120 , Height 26 **Dimensions (mm):**
85 **Weight (g):**

Regulatory Compliance

[View](#) Certificate of Conformance:

United States Country of Origin:

Edmund Optics India Private Limited Imported By:

Product Details

- Low 30° LED Mounting Angle
- Designed for Constant Output Power for Prolonged Use
- Ideal for Darkfield Illumination

CCS Low-Angle LED Ring Lights feature a low 30° LED mounting angle for darkfield illumination applications. By mounting a flexible circuit board at a steep slope, these ring lights are able to effectively concentrate light at small working distances. These low-angle LED ring lights are designed to maintain constant output power over prolonged periods. CCS Low-Angle LED Ring Lights enable images that clearly emphasize characteristic features of an object and are ideal for inspection of engraving, damage, or stains on metal surfaces, edge detection, inspection for contaminants, and other manufacturing and industrial applications.

3D-Printable Mount Files



Ring Light Configuration

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Designed for use with the [Articulating Arm Mounting Systems](#), these 3D-printed mounts allow easy positioning of lights in brightfield or darkfield setups. The design is based on mounting illumination to 1/4-20" breadboards or into 80/20 extrusion systems, but can be adapted based on user needs. Mounts are available for ring, bar, line, and inline spot lights.



[Application Note](#)

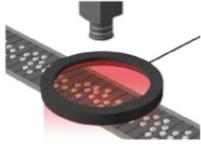
[Illumination Mounts for Machine Vision Applications](#)
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[Video](#)

Technical Information

Imaging example : Text on tablets, exterior imaging



| | |
|-----------------------|--|
| Description | Text, visual inspection |
| Workpiece | Tablet |
| Conventional lighting | Interior lamp |
| New lighting | LDR2-170RD2-LA |
| Result | Emphasizes text and edge of the exterior |

Workpiece image



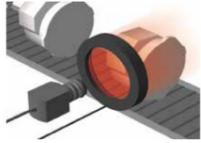
Interior lamp



LDR2-170RD2-LA



Imaging example : Imaging of engraved text on a metal block (stain finishing)



| | |
|-----------------------|---------------------------------|
| Description | Character recognition |
| Workpiece | Metal block |
| Conventional lighting | LED Dome Light |
| New lighting | LDR2-132RD2-LA |
| Result | Extracts only the engraved text |

Workpiece image



LED Dome Light



LDR2-132RD2-LA

